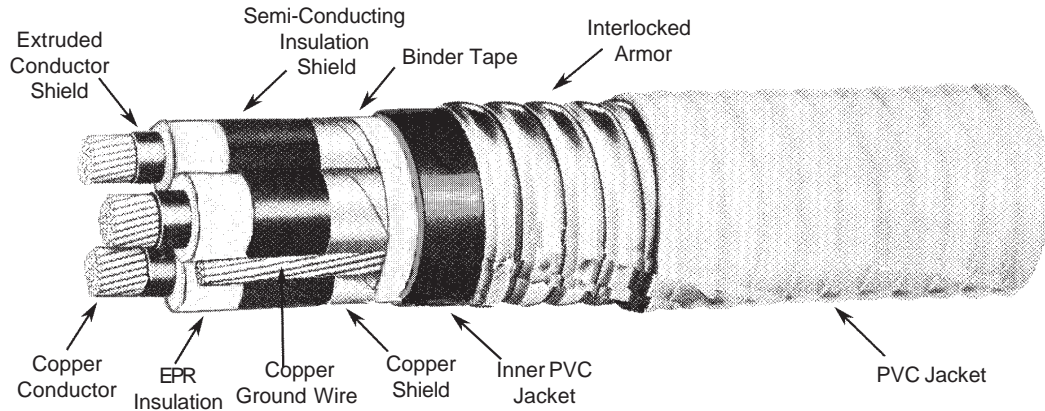


**TECK HIGH VOLTAGE (MINUS 40°C) ARMORED POWER CABLE, 35000 VOLT EPR, SHIELDED**

**SPEC 8-49-9**  
Ver. 7.0  
Revised: 06/05/06



**105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% INSULATION LEVEL**

Conductor			Insulation in Mils	Inner Jacket in Mils	Size AWG Copper Ground Wire	Approximate O.D. in Inches		Ampacity** 40°C Ambient	Approximate Net Weight~ LBS/KFT
Size AWG or KCMIL	No. of Strands	Nominal O.D.				Over Armor	Over Overall Jacket		

**THREE CONDUCTOR 35000 VOLT, SHIELDED, 100% INSULATION LEVEL**

1/0	19	0.34	345	140	6	3.26	3.43	240	5300
2/0	19	0.38	345	140	6	3.34	3.51	275	5745
3/0	19	0.42	345	140	4	3.44	3.61	315	6335
4/0	19	0.48	345	140	4	3.56	3.73	360	6990
250	37	0.52	345	140	4	3.68	3.85	400	7650
350	37	0.62	345	140	3	3.89	4.06	490	9090
500	37	0.74	345	140	2	4.19	4.36	600	11275

**THREE CONDUCTOR 35000 VOLT, SHIELDED, 133% INSULATION LEVEL**

1/0	19	0.34	420	140	6	3.60	3.77	240	6140
2/0	19	0.38	420	140	6	3.68	3.85	275	6600
3/0	19	0.42	420	140	4	3.78	3.95	315	7215
4/0	19	0.48	420	140	4	3.90	4.07	360	7895
250	37	0.52	420	140	4	4.02	4.19	400	8580
350	37	0.62	420	140	3	4.28	4.45	490	10200

**Note:** \*\*Based on single cable isolated in air. For other installations refer to the CEC.  
~Weights based on aluminum armor assembly.

The above data is approximate and subject to normal manufacturing tolerances.

**STANDARDS AND RATINGS:**

1. Listed as Type Power Cable by CSA per CSA C68.3.
2. Listed as FT4 by CSA per CSA C68.3 (Aetna 3742 LSOH jacketed).
3. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cables 5 - 46KV.

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